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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/715,090	11/17/2003	Amit Sarkar	61784.010100	7023
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Amit Sarkar				
162 Baraud Road				
Scarsdale, NY 10583				
			EXAMINER	
			BARQADLE, YASIN M	
			ART UNIT	PAPER NUMBER
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			10/05/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/715,090	Applicant(s) SARKAR, AMIT	
	Examiner Yasin M. Barqadle	Art Unit 2153	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 November 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-25 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-25 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11/117/2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

- Claims 1-25 are presented for examination.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 8-18 recites the limitation "the Apparatus" in line 1 of each of claims 8-18. There is insufficient antecedent basis for this limitation in the claim.

Specification

The abstract of the disclosure is objected to because other text is included. It must be presented on a separate sheet, apart from any other text. Correction is required. See MPEP § 608.01(b).

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Claim Objections

Claims 11-12 and 13 are objected to because of the following informalities: the claims recite cell phone/PDA. It is not clear if the "/" stands for "or" or "and" or "both". For examination purposes examiner assumes the "/" as an "or", hence Cell phone or PDA is assumed. Appropriate clarification is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-2, 4-10, 14 and 19-25 are rejected under 35

U.S.C. 102(b) as being anticipated by Boals et al U.S. Patent Number (6108727), herein "Boals".

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As per claim 1, Boals (6108727) teaches a structure for accessing a primary PC (host computer 101, fig. 1) from a remotely located Pseudo-mobile PC (wireless interface device 100) wherein the primary PC is coupled to a wireless communication channel for transmitting/receiving information signals to/from the Pseudo-mobile PC (col. 5, lines 45-62).

As per claim 2, Boals (6108727) teaches a structure for accessing a primary PC (host computer 101, fig. 1) from a remotely located Pseudo-mobile PC (wireless interface device 100) wherein the primary PC is coupled to a wireless communication channel for transmitting/receiving output information signals to/from the Pseudo-mobile PC (col. 5, lines 45-62).

As per claim 4, Boals teaches the structure of claims 1 or 2 wherein the wireless communication channel is a wireless LAN network (wireless network fig. 1 and col. 5, lines 45-50).

As per claim 5, Boals teaches structure of claims 1 or 2 wherein the wireless communication channel is a Wi-Fi connection (col. 5, lines 58-66 and 21-37 see 802.11 Wi-Fi standard).

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As per claim 6, Boals teaches structure of claims 1 or 2 wherein the wireless communication channel is adaptable to another data transmission network (col. 6, lines 3-21).

As per claim 7, Boals teaches the structure of claim 6 wherein the hardware within the pseudo-mobile PC is adapted to run software having at least four layers (Wireless device 100 conforms to the Open System Interconnection (OSI) reference model (seven layers) col. 6, lines 16-21) wherein:

layer one is adapted to be a translation layer between the Pseudo-mobile PC user interface input signal and the underlying operating system of the desk top PC (col. 12, lines 39-54 and col. 13, lines 25-32. See fig. 8, 278);

layer two is adapted to digitize and compress the signals for wireless transmission (col. 13, lines 29-59); layer three is adapted to convert and compress signals and graphic into cellular transmission packets for PSTN network or another network (col. 70, lines 22-29); and layer four is adapted to transmit the cellular packets over a cellular data transmission network through a router (col. 58, lines 18-54).

As per claim 8, Boals teaches apparatus of claims 1 or 2 wherein the pseudo-mobile PC comprises a monitor having a touch

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sensitive screen (col. 5, line 31-43 GUI with touch sensitive is provided).

As per claim 9, Boals teaches apparatus of claims 1 or 2 wherein the pseudo-mobile PC comprises a monitor and a keyboard (see fig. 1, items 110, 113 col. 5, line 31-43).

As per claim 10, Boals teaches apparatus of claim 9 wherein the pseudo-mobile PC comprises a mouse (col. 5, line 31-43).

As per claim 14, Boals teaches apparatus of claims 1 or 2 wherein the pseudo-mobile PC includes a port adapted to be coupled to at least one peripheral (col. 8, line 31-38).

As per claim 19, Boals (6108727) teaches a method of accessing and operating a primary PC to process information signals (abstract) comprising the steps of:

adapting the primary PC (host computer 101, fig. 1) to receive and send information signals via a wireless communication channel (col. 5, lines 45-62); providing a Pseudo-mobile PC (wireless interface device 100) coupled to a modem adapted to send and receive information signals via the wireless

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communication channel to the primary PC (see transceiver 116 sends and receives wirelessly col. 5, lines 45-62) wherein the Pseudo-mobile PC relies upon the primary PC to perform the processing of the information signals sent by the Pseudo-mobile PC ("The wireless interface device 100 is thus able to control and access various programs such as Windows and Windows application programs and files residing at the host computer 101 and display the results in its display 113." Col. 6, lines 38-54).

As per claim 20, Boals teaches the method of claim 19 comprising the further step of adapting the primary PC to send the processed information signals via the wireless communication channel to the Pseudo-mobile PC for use by a user of the Pseudo-mobile PC (the results of processed information is displayed on display 113 Col. 6, lines 38-54).

As per claim 21, Boals teaches the method of claim 20 wherein the information signals sent to the primary PC from the Pseudo-mobile PC are unprocessed signals (col. 5, line 31-43 and col. 7 lines 40-55).

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As per claim 22, Boals teaches the method of claim 21 wherein the unprocessed signals are from a keyboard (col. 5, line 31-43 and col. 7 lines 40-55).

As per claim 23, Boals teaches the method of claim 21 wherein the unprocessed signals are from a mouse display the results in its display 113." Col. 7, lines 40-55).

As per claim 24, Boals teaches the method of claim 21 wherein the unprocessed signals are from a touch sensitive screen (col. 5, line 31-43 and col. 7 lines 40-55).

As per claim 25, Boals teaches the method of claim 20 further comprising the step of displaying the processed signals received from the primary PC on the screen of the Pseudo-mobile PC (Col. 6, lines 38-54).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 3 and 11-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Boals U.S. Patent Number (6108727) in view of Dowling et al. US Patent Number 20030050019 (hereinafter "Dowling").

As per Claim 3, although Boals shows substantial features of the claimed invention including using wireless network such 802.11 (WI-FI standard), Boals does not explicitly show where the wireless communication channel is a telephone cellular network. Nonetheless, this feature is well known in the art and would have been an obvious modification of the system disclosed by Boals, as evidenced by Dowling USPN. (20030050019).

In analogous art, Dowling whose invention relates to the field of mobile communication systems using a cellular network connection (col. 1, lines 9-12, discloses a wireless communication channel using a telephone cellular network (see fig. 1, wireless wide area network (2.5G, 3G, or 4G cellular) interfaced with handheld mobile device (smart phone) 100). " The wireless wide area network may involve, for example a 2.5G, 3G,

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or 4G cellular or PCS carrier with telephone and data services." ¶ 0031). Giving the teaching of Dowling, a person of ordinary skill in the art would have readily recognized the desirability and the advantage of modifying Boals by combining the cellular network system of Dowling in order to utilize the Internet connectivity provided by (3G) wireless cellular networks. In this way wireless devices would enjoy the benefit provided by 3G cellular networks to attain both voice and data connectivity.

As per claim 11, Dowling teaches the apparatus of claims 1 or 2 wherein the pseudo-mobile PC comprises a cell phone/PDA (fig. 3, handheld device 300 ¶ 0041).

As per claim 12, Dowling teaches apparatus of claim 11 wherein the cell phone/PDA includes a touch screen (¶ '0028 and 0030).

As per claim 13, Dowling teaches apparatus of claim 12 wherein the cell phone/PDA further includes a detachable keyboard (¶ 0028 and 0030 ¶ 0051).

Claims 15-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Boals U.S. Patent Number (6108727) in view of Zarns US Publication Number (20030088727).

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As per claim 15, Although Boals shows substantial features of the claimed invention including ports adapted to be coupled to peripheral devices, Boals does not explicitly show where the peripheral devices include a printer or fax.

Nonetheless, these features are well known in the art and would have been an obvious modification of the system disclosed by Boals, as evidenced by Zarns USPN. (20030088727).

In analogous art, Zarns whose invention is about a system for remotely accessing universal serial bus devices discloses USB-enabled service devices (§ (0027)). For example, Zarns teaches "A servicing device includes a printer, a facsimile, a camera, a portable audio device, a mass storage device, a mouse, a keyboard, a speaker, a microphone, a serial port, a bar code reader, a signature capture pad, a magnetic strip reader, a scanner, and the like. Further, the servicing device is USB-enabled." (§ (0027 and 0041)). Giving the teaching of Zarns, a person of ordinary skill in the art would have readily recognized the desirability and the advantage of modifying Boals by employing the USB enabled peripheral devices of Zarns so as to provide a flexible and adaptable method for connecting peripheral devices remotely over variety of communication channels and to permit remote long distance processing of

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peripheral data. In this way users can access and interact with USB peripheral devices remotely over any network connection. [0045].

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yasin Barqadle whose telephone number is 571-272-3947. The examiner can normally be reached on 9:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Burgess can be reached on 571-272-3949. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9306 for regular communications and 703-746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may

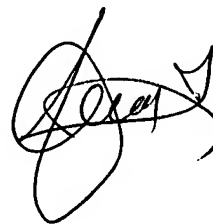
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be obtained from either private PAIR or public PAIR system. Status information for unpublished applications is available through private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

YB

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Yasin Barqadle
AU 2153

A handwritten signature in black ink, appearing to read 'Yasin Barqadle', with a large, stylized loop at the end.